

49CFR571.109

TITLE 49--TRANSPORTATION CHAPTER V--NATIONAL HIGHWAY TRAFFIC
SAFETY ADMINISTRATION, DEPARTMENT OF TRANSPORTATION PART
571_FEDERAL MOTOR VEHICLE SAFETY STANDARDS—

Table of Contents Subpart B_Federal Motor Vehicle Safety Standards Sec.
571.109 Standard No. **109**; New pneumatic tires.

S1. Scope. This standard specifies tire dimensions and laboratory test requirements for bead unseating resistance, strength, endurance, and high speed performance; defines tire load ratings; and specifies labeling requirements for passenger car tires.

S2. Application. This standard applies to new pneumatic tires for use on passenger cars manufactured after 1948. However, it does not apply to any tire that has been altered so as to render impossible its use, or its repair for use, as motor vehicle equipment. In addition, S4.3 does not apply to tires certified to comply with S5.5 of Sec. 571.139 and S4.4. does not apply to tires certified to comply with S4 of Sec. 571.139.

S6. Nonconforming tires. No tire that is designed for use on passenger cars and manufactured on or after October 1, 1972, but does not conform to all the requirements of this standard, shall be sold, offered for sale, introduced or delivered for introduction into interstate commerce, or imported into the United States, for any purpose.

CITE: 49CFR571.139

TITLE 49--TRANSPORTATION CHAPTER V--NATIONAL HIGHWAY TRAFFIC
SAFETY ADMINISTRATION, DEPARTMENT OF TRANSPORTATION PART
571_FEDERAL MOTOR VEHICLE SAFETY STANDARDS—

Table of Contents Subpart B_Federal Motor Vehicle Safety Standards Sec.
571.139 Standard No. **139**; New pneumatic radial tires for light vehicles.

S1. Scope and purpose. This standard specifies tire dimensions, test requirements, labeling requirements, and defines tire load ratings.

S2. Application. This standard applies to new pneumatic radial tires for use on motor vehicles (other than motorcycles and low speed vehicles) that have a gross vehicle weight rating (GVWR) of 10,000 pounds or less and that were manufactured after 1975. This standard does not apply to special tires (ST) for trailers in highway service, tires for use on farm implements (FI) in agricultural service with intermittent highway use, and tires with rim diameters of 8 inches and below.

S5. General requirements. [Reserved]

S5.5 Tire Markings. Except as specified in paragraphs (a) through (h) of S5.5, each tire must be marked on each sidewall with the information specified in S5.5 (a) through (d) and on one sidewall with the information specified in S5.5 (e)

through (h) according to the phase-in schedule specified in S7 of this [[Page 510]] standard. The markings must be placed between the maximum section width and the bead on at least one sidewall, unless the maximum section width of the tire is located in an area that is not more than one-fourth of the distance from the bead to the shoulder of the tire. If the maximum section width falls within that area, those markings must appear between the bead and a point one-half the distance from the bead to the shoulder of the tire, on at least one sidewall. The markings must be in letters and numerals not less than 0.078 inches high and raised above or sunk below the tire surface not less than 0.015 inch.

(a) The symbol DOT, which constitutes a certification that the tire conforms to applicable Federal motor vehicle safety standards;

- (b) The tire size designation as listed in the documents and publications specified in S4.1.1 of this standard;
- (c) The maximum permissible inflation pressure, subject to the limitations of S5.5.4 through S5.5.6 of this standard;
- (d) The maximum load rating;
- (e) The generic name of each cord material used in the plies (both sidewall and tread area) of the tire;
- (f) The actual number of plies in the sidewall, and the actual number of plies in the tread area, if different;
- (g) The term "tubeless" or "tube type," as applicable; and (h) The word "radial," if the tire is a radial ply tire.